Homeland Security CEDAP

Commercial Equipment Direct Assistance Program

Equipment Catalog

Homeland Security

Office of State and Local Government
Coordination and Preparedness

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Advanced Portable Detector

TECHNOLOGY TYPE

Detection and Sensory

DESCRIPTION

With superior interferent resistance, the algorithm simultaneously detects nerve and blister agents, recognizes pepper spray and mace, and identifies hazardous compounds. Selectable operating modes allow for either the monitoring or detection of chemical agents.

PREREQUISITES

If the device is to be used to detect chemical warfare agents, the operator must have requisite personal protective equipment.

DETAILS

Detects chemical warfare agents, gamma radiation, and other threats. Provides agent identification and is powered by commercial alkaline or rechargeable batteries. The unit is capable of remote communication of alarm signals via radio frequency and has a data logging function with an easy to read visual display and audio alarm.

NRC and applicable local regulations must be followed for storage, shipment, and disposal. NRC regulations include licensing and tracking of radiation source and annual wipe-test. An agency, department, or jurisdiction may apply for one detector.

CONFIGURATION

Model APD 2000 with radiological option using Ion Mobility Spectrometry.

VENDOR

Smiths Detection
www.smithsdetection.com
973-830-2100

Night Vision Kit

TECHNOLOGY TYPE
Detection and Sensory

DESCRIPTION
The Night Vision Kit is a low-light amplifying kit for nighttime or low-light operations. The kit comes as shown packaged in a weather-tight case.

PREREQUISITES
Responsibility for critical infrastructure and/or potential targets.

DETAILS
This PVS-14 Responder Security Kit consists of Pelican® case (274950), Demist Shield (A3256353), Eyecup (A3144422), Floating Neck Strap (275418-1), Head/Helmet Mount Adapter Assembly (A3256347), Helmet Mount (A3256369), IR Illuminator (272733), Mask Assembly (274479-1), PVS-14 Monocular (270594), Retaining Cord (A3260933), Sacrificial Window (A3144264), Shoulder Strap (A3144267), Split Ring (262685), and 3X Lens (273482). An agency, department, or jurisdiction may apply for two (2) kits.

CONFIGURATION
The Night Vision Kit includes the above-illustrated items.

VENDOR
ITT Industries
www.ittnv.com
1-800-448-8678
rick.melillo@itt.com

Search Camera Victim Locator System

TECHNOLOGY TYPE
Detection and Sensory

DESCRIPTION
Telescoping search device with accessories, including listening device (seismic/acoustic) with sensors for 2-way communications.

PREREQUISITES
None

DETAILS
The search camera is a highly mobile, single-operator system for victim location and assessment. Audio and video components have been integrated to operate on a continuous basis in the demanding conditions of a disaster setting. The system consists of a miniature, high-resolution, color video camera; variable intensity illumination; a sensitive microphone; and a speaker housed in the remotely controlled articulating camera head affixed to the end of a telescoping probe that can be inserted through a 1.75" (4.4cm) diameter opening. An agency, department, or jurisdiction may apply for one (1) victim locator system.

CONFIGURATION
Model: SC2-STD-C/A

The system consists of the probe, video monitor, headphones with boom microphone, sun shield, lanyard, two batteries, battery charger, field maintenance kit, and operations and maintenance manual. The components are stored in a wheeled Pelican® carrying case that is constructed of high-impact plastic, foam-lined, and water and dust tight. The packed unit weighs 59 pounds (26.8kg).

VENDOR
Search Systems
www.searchsystems.com
661-399-7107
800-722-2824

Thermal Imager

TECHNOLOGY TYPE
Detection and Sensory

DESCRIPTION
The device allows users to zoom in on far away objects or capture critical thermal scene information with the image capture feature. An advanced Relative Heat Indicator (RHI) conveys object temperature levels and alerts you when it encounters hot objects by changing its color based on the heat level.

PREREQUISITES
None

DETAILS
Features include a thermal throttle for optimal scene analysis, an integrated handle, a five inch high-performance display, and upgraded direct charge system. Installable options include 2X digital zoom, digital image capture, advanced relative heat indicator system. An agency, department, or jurisdiction may apply for two (2) imagers.

CONFIGURATION
Height: 12"
Length: 10"
Width: 6"
Weight: < 6.25 pounds with battery

VENDOR
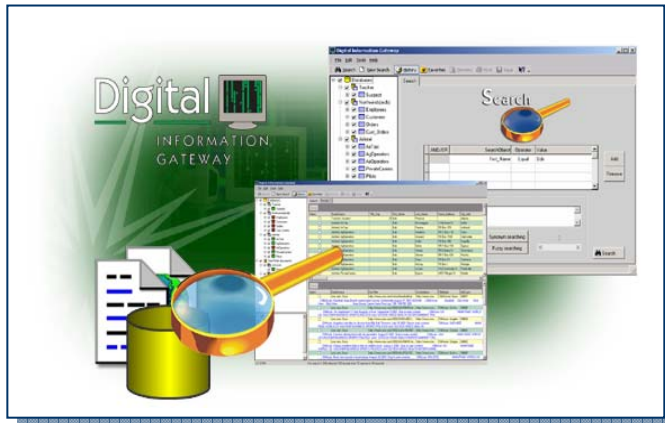Bullard
www.bullard.com
1-800-827-0423
info@bullard.com

Information Search and Sharing Software

TECHNOLOGY TYPE
Information Sharing and Risk Management

DESCRIPTION
Information retrieval software that allows the simultaneous search of any number of databases, documents, and Web sites. Scales to agency requirements.

PREREQUISITES
Agency personnel should have a thorough understanding of computer systems, Microsoft Windows operating systems, and experience in using Microsoft Windows applications. For the network version, existing infrastructure must include a local area network (LAN) with servers operating on Microsoft Windows NT 4.0 or equivalent. For the stand-alone version, the workstation must operate on Microsoft Windows 98 or higher. An agency, department, or jurisdiction may only request one package of ten (10) licenses.

DETAILS
Provides the capability to search any type of information accessible from the user's network with an easy-to-use interface. All databases and office documents attached to the user's in-house systems may be searched without impacting these systems or databases. Multiple and different types of databases may be simultaneously searched for information. Data may be matched using phonetics and results may be grouped by common values and saved to Microsoft Access, Excel, or text files. An agency, department, or jurisdiction may apply for one (1) software package.

CONFIGURATION
Software package includes licensing for ten (10) users for two years. Contains two software applications. Server software is typically installed on one central server. An administrator establishes users and assigns user access to various data sources. Software can be installed on numerous computers and automatically connects to the server. Software can also be used via wireless internet to allow queries from vehicle laptops, etc.

VENDOR
Digital Information Gateway (DIG)
Visual Analytics, Inc.
301-407-2200
www.visualanalytics.com

Link and Pattern Analysis Software

TECHNOLOGY TYPE
Information Sharing and Risk Management

DESCRIPTION
Software package identifies and highlights underlying patterns and trends in data with advanced link analysis techniques. Network and stand-alone software is available.

PREREQUISITES
Agency personnel should have a thorough understanding of computer systems, Microsoft Windows operating systems, and Microsoft Windows applications. For the network version, existing infrastructure must include a local area network (LAN) with servers operating on Microsoft Windows NT 4.0 or equivalent. For the stand-alone version, the workstation must operate on Microsoft Windows 98 or higher versions. An agency, department, or jurisdiction may only request one package of ten (10) licenses.

DETAILS
Enables graphical interaction with data to quickly expose patterns, spot anomalies, or discover new relationships. Details for any data element can be displayed using built-in, drill-down options. It allows the user to see relationships, dependencies, and connections that exist within the data. The software aids in understanding data by highlighting important strengths and weaknesses. It couples to any Open Database Connectivity (ODBC) data source, including Microsoft Access, Microsoft SQL Server, Oracle, and Sybase. For money laundering and financial detection, the software can be used to view thousands of financial transactions to identify questionable behaviors and unusual filing patterns. It can identify direct and indirect relationships to reveal addresses, accounts, or identification numbers with multiple users. An agency, department, or jurisdiction may apply for one (1) software package.

CONFIGURATION
The software package is available in a network or stand-alone version. Package includes licensing for ten (10) users for two years.

VENDOR
VisuaLinks™
Visual Analytics, Inc.
301-407-2200
www.visualanalytics.com

Interoperability Gateway Switch

TECHNOLOGY TYPE
Interoperability Devices

DESCRIPTION
This switch serves public safety services agencies and other responders by facilitating interoperability between dissimilar communications equipment systems. The switch eliminates interoperability issues by allowing different organizations to connect their communications equipment (radios, cellular phones, cellular push-to-talk phones, satellite phones, and even computers) into one device.

PREREQUISITES
An ability to collaborate with other public safety disciplines and consistency with State communications and interoperability plans.

DETAILS
The hardware components of the system consist of the Windows 2000/XP server, a Commercial-off-the-Shelf (COTS) Telephony Computer Integration (CTI) computer board, a 16-port Input/Output (I/O) module, and a power module that accepts 85-264 VAC (47-63 Hz) or 10-14 VDC power. The software components consist of the client and server software. The client software is a Graphical User Interface (GUI) that operators will use to interface with the server. The system can be configured in a mobile rack mount or portable notebook configuration. An agency, department, or jurisdiction may apply for one (1) system.

CONFIGURATION
A portable system that can operate on AC/DC power and can be set up in any location providing adequate weather protection. The unit can be connected to AC/DC power sources at the same time and will pull current from the higher voltage source. The system provides the capability for different communication systems to be connected: for example, a person with an analog landline telephone miles away from an incident site can hear real time radio communications traffic at the incident site. If a repeater system is available, consideration should be giving to using it in conjunction with the interoperability system.

VENDOR
RIOS system
SyTech Corporation
www.sytechcorp.com
(703) 941-7887

CEDAP Personal Protective Equipment Kit

TECHNOLOGY TYPE

Personal Protective Equipment

DESCRIPTION

The CEDAP PPE Kit includes a protective mask and canister combination and ensemble composed of a full body coverage garment, shoulder length overhood with attached gloves and Hazmax® boots.

PREREQUISITES

There are some significant (and mandatory) OSHA requirements associated with the use of respiratory protection equipment in any occupation. For example, a written plan is required that complies with 29 CFR 1910.134; an annual medical questionnaire is required for each person who is expected to use the equipment, and fit testing is required. All approved NIOSH CBRN respirators must be selected, fitted, used and maintained in accordance with Federal OSHA Regulation 29 CFR 1910.134. A program for fit testing and training must be developed and implemented by the law enforcement agency deploying a respirator to law enforcement personnel. The Responder Knowledge Base offers a Mission Critical Hint on this topic, which is linked to the CEDAP PPE Kit record online. State laws and regulations may also be applicable to the use of this equipment.

DETAILS

This PPE Kit provides minimum levels of inhalation and dermal protection for law enforcement in mission areas such as patrol officer, force protection and perimeter security as defined in the InterAgency Board's Standard Equipment List (SEL). The PPE Kit is composed of a protective mask and ensemble designed for use in response to a weapons of mass destruction (WMD) terrorism incident. The performance of the protective mask and filter canister are certified to the National Institute for Occupational Safety and Health (NIOSH) Standard for a Chemical, Biological, Radiological and Nuclear (CBRN) Full Facepiece Air Purifying Respirator (APR). The performance of the protective ensemble (garment, boots and gloves) is certified to the Class 3 requirements of the National Fire Protection Association (NFPA) Standard on Protective Ensembles for Chemical/Biological Terrorism Incidents (NFPA 1994), 2001 Edition.

The NIOSH CBRN-certified MSA Millenium mask and canister combination provides inhalation protection to by removing harmful gasses vapors and particulates. The wearer is cautioned that

this type of air purifying respirator (APR) should not be used in atmospheres containing less than 19.5% oxygen (ambient air). An APR should also not be used in atmospheres with threat challenge levels above Immediately Dangerous to Life and Health (IDLH) levels.

The DuPont CPF 3 NFPA Class 3 ensemble is composed of a full body coverage garment, shoulder length overhood with attached gloves and Hazmax® boots. NFPA Class 3 ensembles are designed to protect the wearer at chemical/biological terrorism incidents where the hazard assessment and risk analysis at the scene indicates the following: (1) victims are ambulatory, (2) potential for direct liquid droplet contact exists. The garment, gloves and boots are certified as, and must be worn as, a complete ensemble, along with the specific CBRN respirator provided in the kit. This NFPA Class 3 ensemble offers the lowest level of dermal protection. It provides liquid-tight integrity from liquid splash hazards but does *not* provide protection to vapor or gas dermal threats. This ensemble is intended for functions such as decontamination, patient care, and perimeter / crowd control, and is designed for one-time exposure. See the NFPA 1994 Standard for more details on performance testing.

An agency, department, or jurisdiction may apply for six (6) kits.

CONFIGURATION
As noted and pictured above.

VENDOR
Various vendors as noted above, including MSA, Dupont, ONGUARD Industries, and Crewgear.